



June 5, 1996

Martin Clift, Jr.
Brooks Fiber Communications
2855 Oak Industrial Drive, NE
Grand Rapids, MI 49548

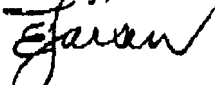
Dear Marty:

The language you proposed for Section 2.2 of the SPNP- SS7 Trial Agreement has been reviewed by our legal department. The language listed below reflects Ameritech's changes and additions to your proposed language.

Upon a successful test of the trial objectives specified in Section 1.4 and subject to its general availability, Trial Customer may elect to continue to receive the Service at the conclusion of the Trial Period pursuant to the rates set forth in the applicable tariff. Until the date when the Service is offered under an applicable tariff, Trial Customer may elect to receive the Service and will compensate Ameritech for the Service based on the SPNP-Direct rates and charges identified in M.P.S.C. Tariff 25R, Section 18, Item K, Service Provider Number Portability and summarized in Attachment 2. However, rates and charges levied for the use of the Service prior to the filing of an applicable tariff will be subject to retroactive adjustments based on the applicable tariff charges.

Despite the absence of a signed trial agreement, joint test trial implementation activities between Ameritech and Brooks Communications are in progress. Please call me as soon as possible to discuss the language and the agreement. I can be reached at 312-335-6764.

Sincerely,


Eric Larsen
Ameritech

cc: Greg Dunny
Ed Wynn

6/5 Ray Thomas ✓

Subject: Testing SS7 With Brooks Fiber

July 29, 1996

This is the final result on the testing performed between Ameritech and Brooks Fiber. The testing was performed by Mr. Will Downey Brooks Fiber and Mr. Jeff Barton Ameritech. (At times Mr. Thomas Schroeder was asked to assist in testing interpretation.)

We installed a SS7 DID Trunk N1484001427, DINU 616-235-7824, RTE INDEX 276, Trunk Group (4) # 401, T-CIC 4001-4004.

We also installed 4 Pots numbers N1494343762, 616-774-9862, 9863, 9875, 9878. We then Number Ported 3 lines to Brooks Fiber to be used as Test Numbers (616-774-9863, 9875, 9878.)

- 1. Basic Caller ID.
- Passed**
- 2. Ported # to Ported #.
- Passed**
- 3. Automatic Recall.
- Failed - Feature will not work with the current Number Portability because of no T-Cap message.**
- 4. Ported # to Port # (AR).
- Failed - Feature will not work with the current Number Portability because of the T-Cap message.**
- 5. Simultaneous Calls.
- Passed**
- 6. Test for Possible Looping LD Test Calls (Chk CLID).
- Passed**
- 7. LD Call to Ported # (ATT).
- Passed**
- 8. LD Call to Ported # (MCI).
- Passed**
- 9. LD Call to Ported # (Sprint).
- Passed**
- 10. LD Call to Ported # (Teledial).
- Passed (Blocked Call No Casual Dialing 10040)**

11. LD Call to Ported # (Other).
 - Passed - 10450
10432
10725 (Blocked Call No Casual Dialing in Michigan)
12. Anonymous Call Rejection.
 - Passed - Per Will Downey feature worked but they do not have announcements build in switch.
13. Automatic Callback.
 - Failed - Feature will not work with current Number Portability because of no T-Cap Message.
14. Automatic Recall.
 - Failed - Feature will not work with current Number Portability because of no T-Cap Message.
15. Bulk Calling Line Identification.
 - Not able to test properly because CPE equipment could not handle Bulk Calling Line Identification.
16. Call Waiting Deluxe.
 - Unable to Test because feature not active in switch.
17. Calling Identity Delivery Blocking.
 - Passed
18. Calling Identity Delivery on Call Waiting.
 - Unable to Test because feature not active in switch.
19. Calling Name Delivery.
 - Passed
20. Calling Number Delivery.
 - Passed
21. Customer Originated Trace.
 - Passed (Per Will Downey)
22. Distinctive Ringing.
 - Passed
23. Numbering Plan Area Split.
 - Unable to Test because of no Area Code Split going on at this time.
24. Screening List Editing.
 - Passed - Per Will Downey feature worked but they do not have announcements build in switch.
25. Selective Call Acceptance.
 - Passed - Per Will Downey feature worked but they do not have announcements build in switch.

26. Selective Call Forwarding.
 - Passed - Per Will Downey feature worked but they do not have announcements build in switch.
27. Selective Call Rejection.
 - Passed - Per Will Downey feature worked but they do not have announcements build in switch.
28. Visual Message Waiting Indicator.
 - Passed
29. Visual Screening List.
 - Not able to test properly because CPE equipment could not handle Visual Screening List.

Ray Starnett

2/11/97

ATT/BFC Conf Call
OSS Interfaces/NDM.

- ① NDM
- ② CSR/EDI Hook-up
- ③ Ported # orders.

NDM Hook-Up

NDM Arrangement today - Old

New TCP/IP line is desired.

911 / DA, ASR, ~~etc~~, # portability, intercept ²⁸⁵⁵ o.k. Industrial #
Where will connection go to? Grand Rapids.
Who will be contact?

- ① Link set-up → Leon Holwell: 66-224-4317
- ② Transmission of Data → Fred Rock: 66-224-4240

~~End~~ Fred Rock - BFC system needs to be able to grow and receive FOC.

EDI Translator

CSRs are requested via EDI

portability orders via EDI

reference/disconnects are also done via EDI.

EDI Issue: Can the NDM be used instead of the VAN
BEIS mailbox.

BFC
Jason Detrich
Dore Wolters
Fred Rock
Leon Holwell

AIT
Eric Larsen.
Jimmy Hinton.

Services Desired
{ 911 ASR
DA # Portability
ASR.

BR005 0

8-11-97

①

Jason DeYoung
Fred Koch
Drew Walters
Loren McQuinnell

Eric Hansen
Hyslop

Want to get electronic interface

Desire to move to NDM for

- Do have NDM Today

Parent Company

Have old 1 way connector

Want this to go away

TCOP plan

Use 911 & Far D4 as well

Registered in Dec

Had asked about the connection between us

ASR (LADS
COP)

911 Data (Tom
Schneider)

DT Data

NUMBER RECOVERY

INTERCEPT (Dine Adams)

Notes For 02-14-97 Conference Call
With Brooks Fiber

- Need to place order for facility
- Eric should be able to assist
- Special Access Order

Speeds you can order:
Preordering - Page 6

- DS0
- 56 kbps
- 1.544
- Frame Relay DS0/DS1

*Want to get instructions from
for circuit - Serial 11*

*Call for
Serial 11
39500 11-11 11-11*

VAN Connection

- Ordering - Page 29
- Used for EDI Ordering (Number Port, Disc Orders)
- Ours is GEIS (General Electric)

TCP/IP

- Used for interactive PreOrdering
 - CER
 - Due Date
 - Telephone Number
- ECN Connection Request Form
 - Preordering - Page 15

*offer E-Mail
Have to TCP/IP*

NDM/Comnet Direct

- Used for batch transfers
- Can use the same one for everything
- Applications
 - ASR
 - 911 Data
 - DA Data
 - Street Address Guide
 - Feature Availability
- Concerns are that they can manage the sending of these files so they are there at the appropriate times

Timeline: 90 Days

Recommendations:

- Review the ESOO again
- Start with NDM Link
- Get ASRs up and running
- SAG Transfer
- 911 Data
- DA Data
- Would want to test each one as we bring up
- Do not stop plans already in progress with others at this point.

Need for Ftu to Faa

Erie Larsen
Account Manager



January 15, 1997

Via Fax: 314-878-3211

Mr. John Jennings
Brooks Fiber Properties
425 Woods Mill Road South, Suite 300
Town and Country, Missouri 63107

Dear John:

In the course of fulfilling your request to receive Ameritech invoices in electronic format, a number of questions have been raised by our billing system analysts. A brief overview of Ameritech's electronic billing capabilities follows to provide some background relative to these questions.

Electronic billing for accounts compiled in Ameritech's Carrier Access Billing System (CABS) are available in Bill Data Tape (BDT) format. These files can be accessed through a Network Data Mover (NDM) arrangement or provided on cassette tape. Presently, Brooks Fiber has special access, end office integration, collocation, and unbundled loops billed in the CABS system.

Electronic billing for accounts billed in Ameritech's ACIS billing system are compiled in Ameritech's Electronic Billing System (AEBS) format. These files are also available via NDM or on cassette tape. Brooks Fiber's number portability accounts are billed in the ACIS billing system.

CABS accounts set-up for electronic billing are identified by the Access Carrier Identification Code (ACNA) provided by a carrier to Ameritech. Files are created according to state and bill period, based on the ACNA(s) provided by the carrier. Multiple bill periods in a state will result in multiple files being created for that state. The use of multiple ACNAs in a state will also result in the creation of multiple files for each state.

Two ACNAs exist in our billing systems for Brooks Fiber - CYG (City Signal) and BFC (Brooks Fiber Communications). CYG was the ACNA used prior to the merger of US Signal with Brooks Fiber. As noted above, the continued use of two ACNAs by Brooks Fiber will result in additional files being generated for electronic billing. We have continually noted the use of multiple ACNAs by Brooks Fiber in our ordering, provisioning and billing systems to Brooks Fiber personnel in Grand Rapids. However, to date, Brooks Fiber has not provided any direction as to whether or not one ACNA should be recognized in our systems. We will continue to recognize both ACNAs in our systems until further direction is provided by Brooks Fiber.

January 15, 1997

John Jennings

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The following questions have been raised concerning your electronic billing request and need to be addressed so that we may accurately meet your electronic billing requirements:

- Should all Brooks Fiber accounts in CABS and ACIS accounts be billed in electronic format?
- Will you be accessing these files via NDM? If so, what is your present NDM arrangement with Ameritech?
- If the files are provided via tape, where will the files be sent?
- Will Brooks Fiber continue to use two ACNAs?
- If one ACNA will be used by Brooks Fiber, should the existing Brooks Fiber services assigned to the CYG ACNA be changed to BFC?

The unbundled loop accounts you originally requested be converted to electronic billing have been flagged in our system and are ready to be converted. The final processing of these accounts can be completed once the questions raised by our billing analysts have been addressed. The conversion of the remaining Brooks Fiber accounts identified in our CABS and ACIS billing systems to electronic billing also needs to be addressed.

I will call you on Friday, January 17, 1997 to discuss these matters further. Should you need to contact me before then, please feel free to call me at 312-335-6764.

Sincerely,

A handwritten signature in dark ink, appearing to read "Eric Larsen", written over a horizontal line.

Eric Larsen
Ameritech



Receipt date.

Fax: 810
424-2931
Jack Howell
Tim HallFax'd 2/26/97
847 658-5752

ECN Connection Request Form

Complete the front portion of the form and submit to the Ameritech Resale Customer Service Office. Upon approval, the back portion will be completed and returned by an Ameritech representative. Router information is not required for dial-up connections. Allow four to six weeks for processing.

Business Partner Information

Company Name Brooks Fiber CommunicationsAddress 2855 Oak Industrial Dr. N.E.City Grand Rapids State MI Zip 49506Contact Name Leon HollowellTitle Operations AnalystPhone 616-224-4317 Pager 616-680-2227Engineer Name Leon HollowellTitle Operations AnalystPhone 616-224-4317 Pager 616-680-2227Circuit Termination Location Company Name Brooks Fiber CommunicationsAddress 2855 Oak Industrial Dr. N.E.City Grand Rapids State MI Zip 49506Router IP Address 198.252.224.1 2 AmTel SideSubnet Mask 255.255.255.224Message Server IP Address 131.187.258.33 > connect DirectSubnet Mask 255.255.255.255

Connection Type (check one)

☐ TI☒ Frame Relay

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proprietary information
under trade secret of
Ameritech. May not be
used, reproduced or
disclosed (in whole or in
part) except in accordance
with the agreement
between Ameritech and
recipient.

Information Industry Services
150 North Orleans Street
Floor 3
Chicago, IL 60654
Office: 312/335 6532
Fax: 312/335 2927

Warren L. Mickens
Vice President
Customer Operations



March 12, 1997

FILE COPY

Mr. Larry J. VanderVeen
Executive Vice President
Brooks Fiber Communications
2855 Oak Industrial Drive, NE
Grand Rapids, MI 49506-1277

Dear Mr. VanderVeen:

I would like to express my thanks for the time that Brooks Fiber spent with the AIIS team on March 4, 1997. It was helpful to identify personnel and opportunities to provide the most effective and efficient service from Ameritech to Brooks Fiber and it's retail customers. The processes required to effectively link two local telephone networks is complicated, requiring detailed operating guidelines. Ameritech is committed to continued improvement in our support of Brooks, but require your assistance in this effort. Several of the key items we discussed follow along with any planned actions:

- AIIS has hired a service manager to resolve operational and service issues experienced by Brooks. Robert Hollis will serve in this role reporting to Ronald Cate. Each of these gentlemen can escalate major problems to my attention.
- Provisioning Intervals -- Ameritech provides unbundled loops at a standard leadtime of 5 days. Brooks Fiber is concerned that supplemental changes to orders result in the leadtime starting over again. We have discussed this issue with AIIS service center personnel. We will only "restart" the clock on the 5 day interval if the change has impact on the provisioning process. Please notify the AIIS service manager of any exceptions.
- Some of Brooks orders for unbundled loops are unclear resulting in retail customers inside wire unconnected and wasted Ameritech labor because of an additional (and unneeded) loop provisioned. I have attached three (3) sample orders with appropriate language to eliminate this problem. Ameritech personnel will contact Dawn Parks (616-224-4419) and Kathy Estep (616-224-4515) to eliminate any confusion on field or service order issues.
- Brooks has experienced problems with inadequate trunking capacity to complete calls. This problem is common to fast-growing CLEC's. It is key that Brooks forecast for traffic growth and Brooks and Ameritech closely monitor trunk usage to avoid future problems.



Mr. Larry J. VanderVeen

March 12, 1997

Page Two

- AIIS and Brooks personnel are working on completing electronic billing. Other electronic interfaces are available for pre-ordering, ordering, and maintenance. It is critical to both companies that Brooks take advantage of these capabilities to reduce costs, improve service, and reduce errors.
- Brooks indicated concern over missed provisioning due dates. AIIS records show misses at approximately 5%. This level can be improved upon if the reasons are anything other than facilities problems. It would be helpful to review misses as part of the monthly service meetings. Further reductions would also benefit Ameritech as we eliminate rework.

Thank you for your assistance. We look forward to continuing a mutually beneficial and cooperative working relationship. Please notify us if any other problems exists so that we can jointly diagnose and resolve them.

Sincerely,



Warren L. Mickens

Vice President - Customer Operations

Attachments

cc: J. Styf
K. Hadley
R. Cate
E. Larsen
R. Thomas
C. Cooper

/FOR: ICASR "ICSC: ACCESS SERVICE REQUEST" 03/05/97 11:58
COMMAND TARGET

ASR 9704400767 OWNER UNBL ORD C2014304423 JEP STATUS C R T A C A
D/TPROC 021397 17:19 ASR VER 016 SUPP-ADD
ECCKT /TXQU/220453/ /MB FMT LTERM ASI
***** ADMINISTRATIVE SECTION *****
CCNA CYG PON 970213144 VER SPA ICSC MB01 BY
D/TSENT 021397 14:19 QA DDD 022197 FDT PRJCT
PPTD PPTD NOR LUP BSA REQTYPE EE ACT N SUP AFO
TQ EXP AENG ALB AGAUT DATED CUST ARNOLD VAN HORN
FBA CCR 133874
UNIT C PIU 000 LTP
ECCKT N QTY 0000001
FNI CFNI QTY
BAN 616 E88-0606 ASG 616361 BIC TEL BIC-JD
TSC ACTL LA APOT
RORD
RPON CCVN ASC-EC TSP
SAN AFG SPEC UNBRDA
REMARKS INSTALL (1) 2 WIRE ANALOG BASIC - RESIDENTIAL, EXISTING AMI SRV,
INSTALL AS ADDL LINE

---These remarks would be used when Brooks knows that the end user has existing AMI service. AMI would reuse any available facilities to the end-user address first, then apply construction process if necessary. AMI would not anticipate a related SPNP order.

FOR: ICASR *ICSC: ACCESS SERVICE REQUEST* 03/05/97 11:58
COMMAND TARGET

ASR 9704400767 OWNER UNBL ORD C2014304423 JEP STATUS C R T ACA
D/TPROC 021397 17:19 ASR VER 016 SUPP-ADD
ECCKT /TXNU/220453/ /MB FMT LTERM ASI
***** ADMINISTRATIVE SECTION *****
CCNA CYG PON 970213144 VER SPA ICSC MB01 BY
D/TSNT 021397 14:19 QA DDD 022197 FDT PRCT
PPTD PPTD NOR LUP BSA REQTYPE ACT'N SUP AFO
TQ EXP AENG ALB AGAUT DATED CUST ARNOLD VAN HORN
FBA CCR 133874
UNIT C PIU 000 LTP
ECCKT N QTY 0000001
FNI CFNI QTY
BAN 616 E88-0606 ASG 616361 BIC TEL BIC-ID
TSC ACTL LA APOT
RORD
RPON CCVN ASC-EC TSP
SAN AFG SPEC UNBRDA
REMARKS INSTALL (1) 2 WIRE ANALOG BASIC - RESIDENTIAL, EXISTING AMI SRV, REUSE

---These remarks would be used when Brooks believes end user has existing AMI service. AMI would reuse any available facilities to the end-user address first, then apply construction process if necessary. AMI would wait to process the order until receipt of the related SPNP order.

FOR: ICASR *ICSC: ACCESS SERVICE REQUEST* 03/05/97 11:58
COMMAND TARGET

ASR 9704400767 OWNER UNBL ORD C2014304423 JEP STATUS C R T A C A
D/TPROC 021397 17:19 ASR VER 016 SUPP-ADD
ECCKT /TXNU/220453/ /MB FMT LTERM ASI
***** ADMINISTRATIVE SECTION *****
CCNA CYG PON 970213144 VER SPA ICSC MB01 BY
D/TSENT 021397 14:19 QA DDD 022197 FDT PRJCT
PFTD PFTD NOR LUP BSA REQTYPE ACT N SUP AFO
TQ EXP AENG ALB AGAUT DATED CUST ARNOLD VAN HORN
FBA CKR 133874
UNIT C PIU 000 LTP
ECCKT N QTY 0000001
FNI CFNI QTY
BAN 616 ESS-0606 ASG 616361 BIC TEL BIC-ID
TSC ACTL LA APOT
RORD
RPN CCVN ASC-EC TSP
SAN AFG SPEC UNBRDA
REMARKS INSTALL (1) 2 WIRE ANALOG BASIC - RESIDENTIAL *NEW LOOP*, NO
EXISTING AMI SRV

—These remarks would be used when Brooks believes end user has no existing AMI service. AMI would reuse any available facilities to the end-user address first, then apply construction process if necessary. AMI would not anticipate a related SPNP order. AMI will call Brooks if service is currently being provided to the address. Brooks will determine if this will become a request for a second line OR if current AMI service should be disconnected.

Eric Larson
Account Manager



April 23, 1997

Martin Clift
Brooks Fiber Communications
2855 Oak Industrial Drive, NE
Grand Rapids, Michigan 49506

Dear Marty:

As you are aware, payment on the charges submitted by Brooks Fiber for Ameritech originated local (reciprocal compensation) and intralata calls has been remitted to Brooks Fiber. Partial payments for these charges have been made for invoices up to and including January, 1997. The charges at issue on the invoices are associated with interim number portability (INP) traffic and verifiable data has not been provided by Brooks Fiber in support of these charges.

In a ported number situation, the originating NPA/NXX required to support reciprocal and intralata terminating access compensation charges is not recorded. You have indicated that Brooks Fiber can provide actual switch data that includes the originating NPA/NXX of a call directed to an Ameritech number ported to a Brooks Fiber number. The data provided by Brooks Fiber in support of this position is data in a summary format, not actual switch data, and is not verifiable. As a result, terminating intralata access charges submitted by Brooks Fiber to Ameritech for INP traffic cannot be verified.

Sections 5.7, Reciprocal Compensation Arrangements and 13.5, Receipt of Terminating Compensation on Traffic to INP'ed Numbers of the Interconnection Agreement (Agreement) executed between Ameritech and Brooks Fiber in Michigan address compensation for the transport and termination of INP traffic. Section 13.5 provides for the use of a surrogate formula to be used in the absence of verifiable data.

This methodology was presented to Brooks Fiber on February 12, 1997 in Grand Rapids, and, pending the selection of a ported number percentage factor that you felt more accurately represented Brooks Fiber's ported number service characteristics, both organizations agreed to use the surrogate formula as an alternative to process the INP related charges.

Subsequent to this meeting, you indicated that you had some concerns over the Access Automated Record Management Information System (ARMIS) data used in the calculations. It is my understanding that your concerns were based on the following:

1. What is the source of the ARMIS data?
2. Does the ARMIS data for local and intralata traffic represent total messages (completed and non-completed) or only billed messages?